

Converting Colors

$Y_{xy}(40.8495, 0.2890, 0.4055)$

Have a look what the booklet for
Yxy(40.8495, 0.2890, 0.4055)
contains.

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Color

Yxy(40.8495, 0.2890, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	70BB8B
RGB	112, 187, 139
RGB Percent	44%, 73%, 55%
CMY	0.5607, 0.2667, 0.4549
CMYK	0.40, 0.00, 0.26, 0.27
HSL	142°, 36%, 59%
HSV	142°, 40%, 73%
XYZ	29.1135, 40.8495, 30.7756
YIQ	159.1030, -29.2920, -30.8280

Conversions

Conversions Part 2

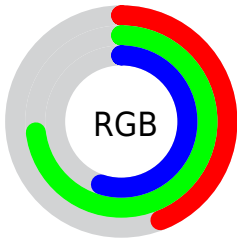
Format	Color
RYB	112, 167, 187
Decimal	7388043
CIELab	70.07, -33.95, 17.14
CIElCh	70, 38.031, 153.207
Yxy	40.8495, 0.2890, 0.4055
Android (android.graphics.Color)	4285578123 (0xFF70BB8B)
YUV	159.1030, -9.9108, -41.3093
Hunter-Lab	63.9136, -30.5398, 16.1902

Details

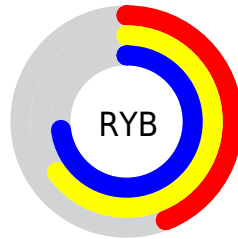
The Yxy color **40.8495, 0.2890, 0.4055** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.6945, 0.3485, 0.2637**, and the grayscale version is **34.7786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7671, 0.2941, 0.3899**, and **18.4261, 0.2803, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **39.4181, 0.2846, 0.4290**, and if you desaturate by 10%, it is **42.5773, 0.2943, 0.3835**.

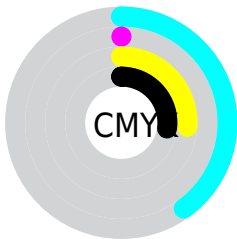
Distribution



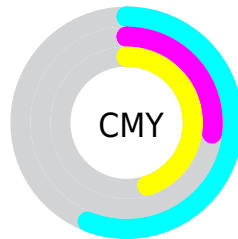
- Red (44%)
- Green (73%)
- Blue (55%)



- Red (44%)
- Yellow (65%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (26%)
- Black (27%)



- Cyan (56%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8495, 0.2890, 0.4055 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 40.8495, 0.2890, 0.4055 by changing the saturation by 10% instead.

 40.8495, 0.2890,
0.4055


 40.8495, 0.2890,
0.4055

349.6912, 0.3020,
0.3645

 28.2015, 0.2853,
0.4167


 76.4554, 0.2940,
0.3899

 18.4776, 0.2803,
0.4316


 100.1821, 0.2958,
0.3843

 11.2934, 0.2731,
0.4525


 128.3704, 0.2973,
0.3796

 6.2646, 0.2621,
0.4839

161.4048, 0.2986,
0.3757

 3.0066, 0.2430,
0.5354

199.6697, 0.2996,
0.3723

 1.1352, 0.1672,
0.8217

243.5495, 0.3006,

 0.0078, 0.0000,

0.3694

1.0000

293.4285, 0.3013,
0.3668

0.0000, 0.0000,
0.0000

40.8495, 0.2890,
0.4055

40.8495, 0.2890,
0.4055

39.4181, 0.2846,
0.4290

42.5773, 0.2943,
0.3835

38.2610, 0.2814,
0.4535

44.6122, 0.3002,
0.3634

37.3609, 0.2797,
0.4782


46.9704, 0.3064,
0.3453


36.6962, 0.2797,
0.5023

49.6655, 0.3127,
0.3292


36.2419, 0.2815,
0.5246


52.7104, 0.3189,
0.3149

 35.9505, 0.2845,
0.5443

 56.1171, 0.3250,
0.3024

 59.8973, 0.3308,
0.2914

 62.7860, 0.3311,
0.2811

 63.5005, 0.3220,
0.2699

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.8495, 0.3434, 0.4297



40.8495, 0.2890, 0.4055



40.8495, 0.2435, 0.3541

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.8495, 0.2890, 0.4055



40.8495, 0.2345, 0.2425



40.8495, 0.4183, 0.3438

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.8495, 0.2890, 0.4055



24.6945, 0.3485, 0.2637

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.8495, 0.3840, 0.3016



40.8495, 0.2890, 0.4055



40.8495, 0.2751, 0.2457

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.8495, 0.2890, 0.4055



40.8495, 0.2145, 0.2601



40.8495, 0.3298, 0.2668



40.8495, 0.4206, 0.3864

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.8495, 0.2890, 0.4055



40.8495, 0.2236, 0.3165



40.8495, 0.3298, 0.2668



40.8495, 0.4101, 0.3293

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.8512, 0.2890, 0.4055



83.1887, 0.3051, 0.3489



44.2634, 0.3478, 0.4356



18.1940, 0.3042, 0.3513



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.8512, 0.2890, 0.4055



70.9069, 0.2851, 0.4258



42.1120, 0.2650, 0.3459



10.7049, 0.3068, 0.3440



24.7822, 0.2839, 0.5421



0.9834, 0.2698, 0.4913

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.6945, 0.3485, 0.2637



38.0245, 0.3594, 0.2501



23.5925, 0.3969, 0.3134



9.6364, 0.3191, 0.3144



8.2228, 0.4361, 0.2176



0.3342, 0.4019, 0.1987

Previews

White Background



This preview shows how the Yxy color 40.8495, 0.2890, 0.4055 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.8495, 0.2890, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

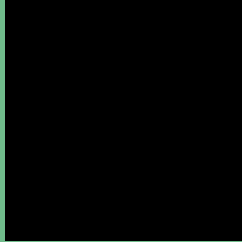
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8495, 0.2890, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 40.8495, 0.2890, 0.4055.



This preview shows how white text looks on a background with the Yxy color 40.8495, 0.2890, 0.4055.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.8495, 0.2890, 0.4055

Protanopia

40.3332, 0.3584, 0.3828

Deuteranopia

40.3003, 0.3623, 0.3555



Tritanopia

40.8226, 0.2598, 0.3086

Trichromacy



Original Color

40.8495, 0.2890, 0.4055

Protanomaly

39.9400, 0.3302, 0.3910

Deuteranomaly

39.4574, 0.3317, 0.3724

Tritanomaly

40.9160, 0.2705, 0.3425

Monochromacy



Original Color

40.8495, 0.2890, 0.4055

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.3937, 0.3025, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8495, 0.2890, 0.4055 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(112, 187, 139)` looks like.

```
.text, #text, p{  
    color:rgb(112, 187, 139)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(112, 187, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 187, 139) }
```

Border

The CSS property to change the border of an element to Yxy 40.8495, 0.2890, 0.4055 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 187, 139) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(112, 187, 139) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(112, 187, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 187, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 187, 139);  
box-shadow:4px 4px 4px 4px rgb(112, 187,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8495, 0.2890, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 187, 139) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(112,  
187, 139) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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